

5'	9					18			27			36			45			54		
	ATG	GCG	TCT	TTC	TCT	GCT	GAG	ACC	AAT	TCA	ACT	GAC	CTA	CTC	TCA	CAG	CCA	TGG		
	Met	Ala	Ser	Phe	Ser	Ala	Glu	Thr	Asn	Ser	Thr	Asp	Leu	Leu	Ser	Gln	Pro	Trp		
	63					72			81			90			99			108		
	AAT	GAG	CCC	CCA	GTA	ATT	CTC	TCC	ATG	GTC	ATT	CTC	AGC	CTT	ACT	TTT	TTA	CTG		
	Asn	Glu	Pro	Pro	Val	Ile	Leu	Ser	Met	Val	Ile	Leu	Ser	Leu	Thr	Phe	Leu	Leu		
	117					126			135			144			153			162		
	GGA	TTG	CCA	GGC	AAT	GGG	CTG	GTG	CTG	TGG	GTG	GCT	GGC	CTG	AAG	ATG	CAG	CGG		
	Gly	Leu	Pro	Gly	Asn	Gly	Leu	Val	Leu	Trp	Val	Ala	Gly	Leu	Lys	Met	Gln	Arg		
	171					180			189			198			207			216		
	ACA	GTG	AAC	ACA	ATT	TGG	TTC	CTC	CAC	CTC	ACC	TTG	GCG	GAC	CTC	CTC	TGC	TGC		
	Thr	Val	Asn	Thr	Ile	Trp	Phe	Leu	His	Leu	Thr	Leu	Ala	Asp	Leu	Leu	Cys	Cys		
	225					234			243			252			261			270		
	CTC	TCC	TTG	GCC	TTC	TCG	CTG	GCT	CAC	TTG	GCT	CTC	CAG	GGA	CAG	TGG	CCC	TAC		
	Leu	Ser	Leu	Ala	Phe	Ser	Leu	Ala	His	Leu	Ala	Leu	Gln	Gly	Gln	Trp	Pro	Tyr		
	279					288			297			306			315			324		
	GGC	AGG	TTC	CTA	TGC	AAG	CTC	ATC	CCC	TCC	ATC	ATT	GTC	CTC	AAC	ATG	TTT	GGC		
	Gly	Arg	Phe	Leu	Cys	Lys	Leu	Ile	Pro	Ser	Ile	Ile	Val	Leu	Asn	Met	Phe	Gly		
	333					342			351			360			369			378		
AGT	GTC	TTC	CTG	CTT	ACT	GCC	ATT	AGC	CTG	GAT	CGC	TGT	CTT	GTG	GTA	TTC	AAG			
Ser	Val	Phe	Leu	Leu	Thr	Ala	Ile	Ser	Leu	Asp	Arg	Cys	Leu	Val	Val	Phe	Lys			
387					396			405			414			423			432			
CCA	ATC	TGG	TGT	CAG	AAT	CAT	CGC	AAT	GTA	GGG	ATG	GCC	TGC	TCT	ATC	TGT	GGA			
Pro	Ile	Trp	Cys	Gln	Asn	His	Arg	Asn	Val	Gly	Met	Ala	Cys	Ser	Ile	Cys	Gly			
441					450			459			468			477			486			
TGT	ATC	TGG	GTG	GTG	GCT	TTT	GTG	TTG	TGC	ATT	CCT	GTG	TTC	GTG	TAC	CGG	GAA			
Cys	Ile	Trp	Val	Val	Ala	Phe	Val	Leu	Cys	Ile	Pro	Val	Phe	Val	Tyr	Arg	Glu			
495					504			513			522			531			540			
ATC	TTC	ACT	ACA	GAC	AAC	CAT	AAT	AGA	TGT	GGC	TAC	AAA	TTT	GGT	CTC	TCC	AGC			
Ile	Phe	Thr	Thr	Asp	Asn	His	Asn	Arg	Cys	Gly	Tyr	Lys	Phe	Gly	Leu	Ser	Ser			
549					558			567			576			585			594			
TCA	TTA	GAT	TAT	CCA	GAC	TTT	TAT	GGG	GAT	CCA	CTA	GAA	AAC	AGG	TCT	CTT	GAA			
Ser	Leu	Asp	Tyr	Pro	Asp	Phe	Tyr	Gly	Asp	Pro	Leu	Glu	Asn	Arg	Ser	Leu	Glu			
603					612			621			630			639			648			
AAC	ATT	GTT	CAG	CCG	CCT	GGA	GAA	ATG	AAT	GAT	AGG	TTA	GAT	CCT	TCC	TCT	TTC			
Asn	Ile	Val	Gln	Pro	Pro	Gly	Glu	Met	Asn	Asp	Arg	Leu	Asp	Pro	Ser	Ser	Phe			

FIGURE 1A

CAA	ACA	AAT	GAT	CAT	CCT	TGG	ACA	GTC	CCC	ACT	GTC	TTC	CAA	CCT	CAA	ACA	TTT
Gln	Thr	Asn	Asp	His	Pro	Trp	Thr	Val	Pro	Thr	Val	Phe	Gln	Pro	Gln	Thr	Phe
CAA	AGA	CCT	TCT	GCA	GAT	TCA	CTC	CCT	AGG	GGT	TCT	GCT	AGG	TTA	ACA	AGT	CAA
Gln	Arg	Pro	Ser	Ala	Asp	Ser	Leu	Pro	Arg	Gly	Ser	Ala	Arg	Leu	Thr	Ser	Gln
AAT	CTG	TAT	TCT	AAT	GTA	TTT	AAA	CCT	GCT	GAT	GTG	GTC	TCA	CCT	AAA	ATC	CCC
Asn	Leu	Tyr	Ser	Asn	Val	Phe	Lys	Pro	Ala	Asp	Val	Val	Ser	Pro	Lys	Ile	Pro
AGT	GGG	TTT	CCT	ATT	GAA	GAT	CAC	GAA	ACC	AGC	CCA	CTG	GAT	AAC	TCT	GAT	GCT
Ser	Gly	Phe	Pro	Ile	Glu	Asp	His	Glu	Thr	Ser	Pro	Leu	Asp	Asn	Ser	Asp	Ala
TTT	CTC	TCT	ACT	CAT	TTA	AAG	CTG	TTC	CCT	AGC	GCT	TCT	AGC	AAT	TCC	TTC	TAC
Phe	Leu	Ser	Thr	His	Leu	Lys	Leu	Phe	Pro	Ser	Ala	Ser	Ser	Asn	Ser	Phe	Tyr
GAG	TCT	GAG	CTA	CCA	CAA	GGT	TTC	CAG	GAT	TAT	TAC	AAT	TTA	GGC	CAA	TTC	ACA
Glu	Ser	Glu	Leu	Pro	Gln	Gly	Phe	Gln	Asp	Tyr	Tyr	Asn	Leu	Gly	Gln	Phe	Thr
GAT	GAC	GAT	CAA	GTG	CCA	ACA	CCC	CTC	GTG	GCA	ATA	ACG	ATC	ACT	AGG	CTA	GTG
Asp	Asp	Asp	Gln	Val	Pro	Thr	Pro	Leu	Val	Ala	Ile	Thr	Ile	Thr	Arg	Leu	Val
GTG	GGT	TTC	CTG	CTG	CCC	TCT	GTT	ATC	ATG	ATA	GCC	TGT	TAC	AGC	TTC	ATT	GTC
Val	Gly	Phe	Leu	Leu	Pro	Ser	Val	Ile	Met	Ile	Ala	Cys	Tyr	Ser	Phe	Ile	Val
TTC	CGA	ATG	CAA	AGG	GGC	CGC	TTC	GCC	AAG	TCT	CAG	AGC	AAA	ACC	TTT	CGA	GTG
Phe	Arg	Met	Gln	Arg	Gly	Arg	Phe	Ala	Lys	Ser	Gln	Ser	Lys	Thr	Phe	Arg	Val
GCC	GTG	GTG	GTG	GTG	GCT	GTC	TTT	CTT	GTC	TGC	TGG	ACT	CCA	TAC	CAC	ATT	TGG
Ala	Val	Val	Val	Val	Ala	Val	Phe	Leu	Val	Cys	Trp	Thr	Pro	Tyr	His	Ile	Trp
GGA	GTC	CTG	TCA	TTG	CTT	ACT	GAC	CCA	GAA	ACT	CCC	TTG	GGG	AAA	ACT	CTG	ATG
Gly	Val	Leu	Ser	Leu	Leu	Thr	Asp	Pro	Glu	Thr	Pro	Leu	Gly	Lys	Thr	Leu	Met
TCC	TGG	GAT	CAT	GTA	TGC	ATT	GCT	CTA	GCA	TCT	GCC	AAT	AGT	TGC	TTT	AAT	CCC
Ser	Trp	Asp	His	Val	Cys	Ile	Ala	Leu	Ala	Ser	Ala	Asn	Ser	Cys	Phe	Asn	Pro

FIGURE 1B

1305	1314	1323	1332	1341	1350
TTC CTT TAT GCC CTC TTG GGG AAA GAT TTT AGG AAG AAA GCA AGG CAG TCC ATT					
Phe Leu Tyr Ala Leu Leu Gly Lys Asp Phe Arg Lys Lys Ala Arg Gln Ser Ile					
1359	1368	1377	1386	1395	1404
CAG GGA ATT CTG GAG GCA GCC TTC AGT GAG GAG CTC ACA CGT TCC ACC CAC TGT					
Gln Gly Ile Leu Glu Ala Ala Phe Ser Glu Glu Leu Thr Arg Ser Thr His Cys					
1413	1422	1431	1440		
CCC TCA AAC AAT GTC ATT TCA GAA AGA AAT AGT ACA ACT GTG 3'					
Pro Ser Asn Asn Val Ile Ser Glu Arg Asn Ser Thr Thr Val					

FIGURE 1C

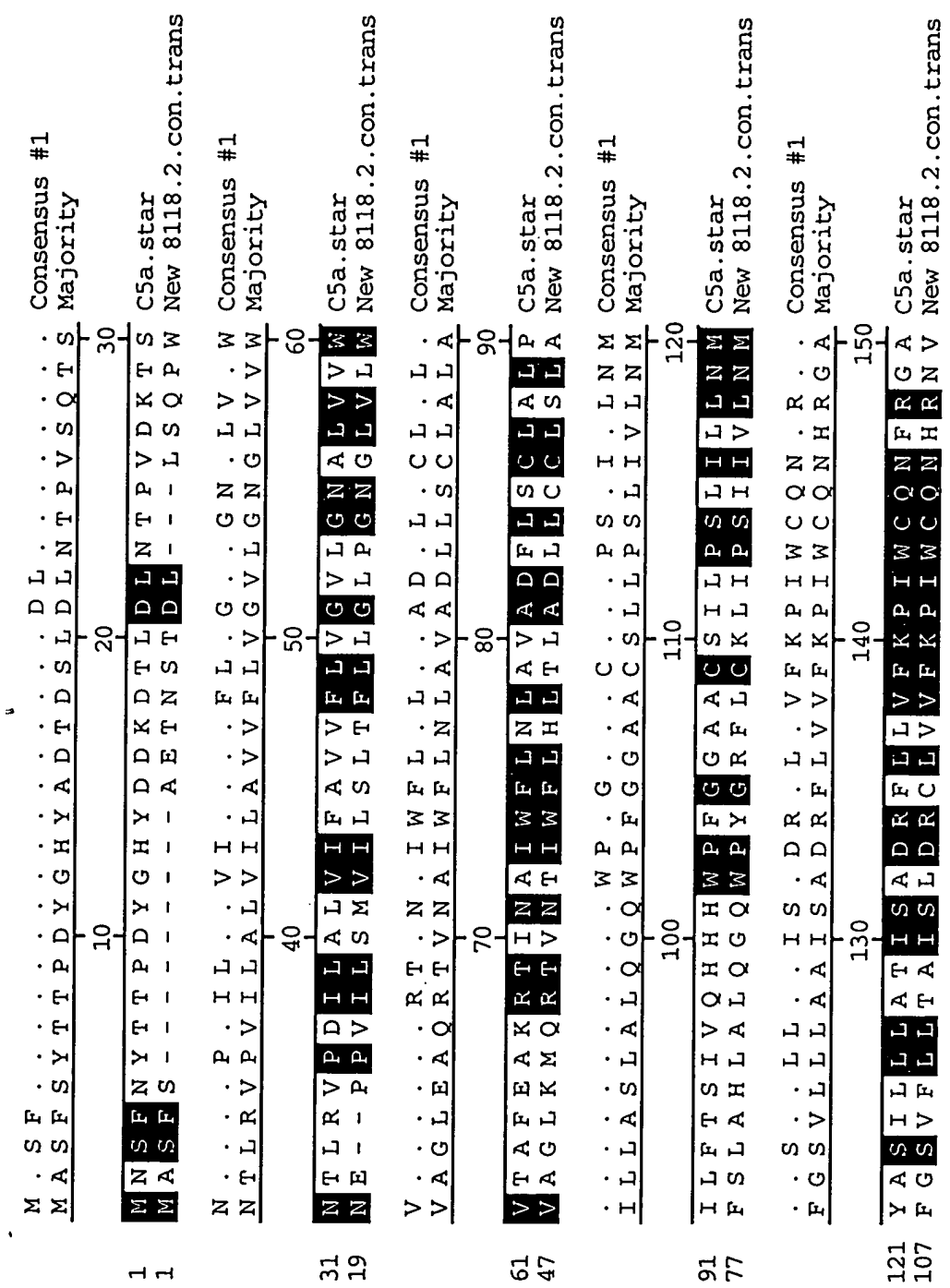


FIGURE 2A

	D A F L S T H L K L F P S A S S N S F Y E S E L P Q G F Q D	Consensus #1 Majority
	310	330
191	D A F L S T H L K L F P S A S S N S F Y E S E L P Q G F Q D	C5a.star
287	D A F L S T H L K L F P S A S S N S F Y E S E L P Q G F Q D	New 8118.2.con.trans
	340	360
191	Y Y N L G D F S D D D Q V E T P L V A V A I V R L V V G F L	Consensus #1 Majority
317	Y Y N L G Q F T D D Q V P T P L V A I T I T R L V V G F L	C5a.star New 8118.2.con.trans
	370	390
213	W P L T L T I C Y T F I L L R T - W S K R A T R S T K T L	C5a.star
347	L P S V I M I A C Y S F I V F R M Q R G R F A K S Q S K T F	New 8118.2.con.trans
	400	420
242	K V V V A V V A S F F I F W L P Y Q V T G I M S F L E P S	C5a.star
377	R V A V V V A V F L V C W T P Y H I W G V L S L L T D P E	New 8118.2.con.trans

FIGURE 2C

	P L . . . D . . C . . . A . . . N . . C . . N P . . Y .	Consensus #1	
	S P L G L L L N S L D S V C V A L A S A N S C I N P I L Y A	Majority	
	430	440	450
272	S P T F L L L N K L D S L C V S F A Y I N C C I N P I I Y V	C5a.star	
407	T P L G K T L M S W D H V C I A L A S A N S C F N P F L Y A	New 8118.2.con.trans	
	G . . F . . . R . S . . . L E E . . . R .	Consensus #1	
	V A G Q G F Q G K A R Q S L Q G L L E A A L S E E S V V R S	Majority	
	460	470	480
302	V A G Q G F Q G R L R K S L P S L L R N V L T E E S V V R E	C5a.star	
437	L L G K D F R K K A R Q S I Q G I L E A A F S E E - L T R S	New 8118.2.con.trans	
	S K S F S N S V V S T M A Q N S T A V	Consensus #1	
	490		Majority
332	S K S F T R S T V D T M A Q K T Q A V	C5a.star	
466	T H C P S N N V I S E - - R N S T T V	New 8118.2.con.trans	

FIGURE 2D

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